California Environmental Protection Agency

⊘ Air Resources Board

DR. ING H.C.F. PORSCHE AKTIENGESELLSCHAFT Executive Order: A-019-0236

New Passenger Cars, Light-Duty Trucks and

Medium-Duty Vehicles

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Pursuant to the authority vested in the Air Resources Board by Health and Safety Code (HSC), Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by HSC Sections 39515 and 39516 and Executive Order G-14-012;

IT IS ORDERED AND RESOLVED: The following exhaust and evaporative emission control systems produced by the manufacturer are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

						TEST GRO	UP I	NF	ORMATI	ION							
MODEL YEAR	" I TE	ST G	ROUP		VEHICLE CLASS(ES				1	FUEL CATEGORY				FUEL TYPE			
2017	HP	RXV03	3.0091			PC -		,	DEDI		SIN	NGLE FUEL LE		G.A	GASOLINE		
L	JSEFUL	LIFE	(miles)		V	EHICLE EMISS	ION	CA	TEGOR	Y	II.	TERIM / IN	TE	RMEDIA	E IN-USE STD		
EXH/	ORVR		EVAP			FTP			SFTP			FTP			SFTP		
150	0000		150000		LE	V3 LEV160	LEV	7 3	СОМРО	SITE		*			*		
SPEC	CIAL FE	ATUR		IAUST	EMIS	SION CONTRO	L			OBD S	TAT	US		ENGINE	DISPLACEMENT (L)		
1	2	TWC,	2HO2S (2	2), Di	FI, 2	TC, 2CAC			FUL	.L	AL	L MODELS					
*				*		,			PART	IAL		*			3.0		
*				*	PARTIAL WITH * FINES												
			EV	APOR	ATIVE	& REFUELING	(EV	AP/	ORVR)	FAMILY	/ INF	ORMATION	N				
EVAF	P / ORV	RFAN	MILY	EVAP	ORAT	IVE STD CATE	SOR	RY EVAP EMISSION STD SPECIAL FEATUR			_ FEATURES						
H	PRXR01	50R92	2			LEV 2				P	,C				*		
						EMISSION C	RED	IT II	NFORM	ATION							
	Α	LLOW	ANCE FO	R TES	ST GR	OUP			IOG CRI			NMOG CF	REI		OPTIONAL EXH. STD FOR WORK		
BASE	LINE PZ	ZEV	AT	PZEV		TZEV	IN	OIN	1-FZEV Z	EKU-E	VAL	D	ON		TRUCKS		
	*			*		*			N				N		N		
	NMOG AND FLEET AVERAGE INFORMATION																
NMOG RAF	NMOG/NMEC PG+1131 (0=37				0-37	50 LVW) LDT (3751 LVW-8500 MDV (10			NOX FLEET STD (10001-14000 /WR) (g/mi)								
*	*	:	1.10	0	0.01	0	.08	6			0	.101			*		

See the Attachment for Vehicle Models, Evaporative Family, Engine Displacement, Emission Control Systems, Phase-In Standards, OBD Compliance, Emission Standards and Certification Levels, and Abbreviations.

BE IT FURTHER RESOLVED:

The exhaust and evaporative emission standards and the certification emission levels for the listed vehicles are as listed on the Attachment. Compliance with the 50° Fahrenheit testing requirement may have been met based on the manufacturer's submitted compliance plan in lieu of testing. Any debit in the manufacturer's NMOG+NOx and greenhouse gas Fleet Average (PC or LDT or MDPV) or "Vehicle Equivalent Credit" (MDV) compliance plan shall be equalized as required.

BE IT FURTHER RESOLVED:

For the listed vehicle models, the manufacturer has attested to compliance with Title 13, California Code of Regulations, (13 CCR) Sections 1965 [emission control labels], 1968.2 [on-board diagnostic, full or partial compliance],

2035 et seq. [emission control warranty], 2235 [fuel tank fill pipes and openings] (gasoline and alcohol fueled vehicles only), and "High-Altitude Requirements" and "Inspection and Maintenance Emission Standards" (California 2015 and Subsequent Model Criteria Pollutant Exhaust Emission Standards and Test Procedures and 2017 and Subsequent Model Greenhouse Gas Exhaust Emission Standards and Test Procedures for PC, LDT and MDV).

Vehicles certified under this Executive Order shall conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this 22 day of March 2016.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division

DR. ING H.C.F. PORSCHE AKTIENGESELLSCHAFT

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ATTACHMENT

EXHAUST AND EVAPOR	ATIVE EMISSION	DIAL SUCKURATS I	CEPTIFICATION	I EVELS
EVUADO I VIDE EVALOR	(A I IVE EIVII 3 3 I U I	A STAINDALDS AIND	CERTIFICATION	LEVELS

EXHAUST	FEMISSION STANDARDS AND CERTIFICATION LEVELS (FTP, HWFET, 50°F, 20°F)
	CH4: methane; NMOG: non-CH4 organic gas; HC: hydrocarbon; NMHC: non-CH4 HC; CO: carbon

monoxide; NOx: oxides of nitrogen; HCHO: formaldehyde; PM: particulate matter; RAF: reactivity adjustment factor; 2DHS/3DHS [g HC/test]: 2/3 days diurnal+hot-soak; RL [g HC/mi]: running loss; ORVR [g HC/gallon dispensed]: on-board refueling vapor recovery; g: gram; mg: milligram; mi: mile; K: 1000 miles; F: degrees Fahrenheit; FTP: federal test procedure; SFTP: supplemental FTP

FUEL TYPE

1 - W

A 4000 000 000 000 000													
FTP@UL		NMOG+NOx (g/mi)		CO (g/mi)		NOx (g/mi)		HCHO (mg/mi)		PM (g/mi)			
		CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD		
FTP@50K	*	*	*	*	*	*	*	*	*	*	*		
FTP@UL	GASOLINE- LEV3 E10	0.066	0.160	0.4	4.2	*	*	0	4	0.00	0.01		
50°F @4K	GASOLINE- LEV3 E10	0.099	0.320	0.2	4.2	*	*	1	30				

	FUEL TYPE	NMOG+1	NOx (g/mi)	CO (g/mi)		
	FUEL TYPE	CERT	STD	CERT	STD	
HWFET @ 50K	*	*	*			
HWFET @ UL	GASOLINE-LEV3 E10	0.087	0.160			
20°F @ 50K	GASOLINE-LEV3 E10		Ville Na A	0.7	10.0	

SFTP EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS

1				US06		SC03	3	COMPOSITE			
	FUEL TYPE		NMOG+NOx (g/mi)	CO (g/mi)	PM (mg/mi)	NMOG+NOx (g/mi)	CO (g/mi)	NMOG+NOx (g/mi)	CO (g/mi)	PM (mg/mi)	
@ 4K	*	CERT	*	*		*	*				
@		STD	*	*		*	*		Bar Talka		
		CERT	*	*	*	*	*	0.080	0.3	*	
@ UL	GASOLINE- LEV3 E10	STD	*	*	*	*	*	0.103	4.2	*	
		BIN		A MARKET			Managed Law Street Street	0.140		The files with	

WHOLE VEHICLE EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS

EVAPORATIVE FAMILY			WHOLE						
	FUEL TYPE	3DHS (g/test) @ UL			2DI	HS (g/test) (RL (g/mi) @ UL		
,,,,,,,		CERT	STD	FEL	CERT	STD	FEL	CERT	STD
HPRXR0150R92	GASOLINE - TIER 2 UNLEADED	0.41	0.50	*	0.32	0.65	*	0.00	0.05

ORVR / FUEL ONLY / CANISTER BLEED EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS

				FUEL ONLY EVAP & CANISTER BLEED								
EVAPORATIVE FAMILY	ORVR (g/gallon) @ UL			FUEL TYPE		IG TEST) @ UL	2DHS R (g/test		BLEED CANISTER TEST (g/test) @ 4K			
	FUEL TYPE	CERT	STD		CERT	STD	CERT	STD	CERT	STD		
HPRXR0150R92	GASOLINE - TIER 2 UNLEADED	0.01	0.20	*	*	*	*	*	*	* .		

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*: not applicable; #: pounds; UL: useful life; PC: passenger car; LDT: light-duty truck; LDT1: LDT<6000#GVWR,0-3750#LVW; LDT2: LDT<6000#GVWR,3751-5750#LVW; LDT3: LDT 6001-8500#GVWR,3751-5750#ALVW; LDT4: LDT 6001-8500#GVWR.5751-8500#ALVW: MDV: medium-duty vehicle; MDV4: MDV 8501-10000#GVWR; MDV5: MDV 10001-14000#GVWR; MDPV: mediumduty passenger vehicle; HDV: heavy-duty vehicle; ECS: emission control system; CERT: certification; STD: standard; FEL: family emission limit; GVWR: gross vehicle weight rating; LVW: loaded vehicle weight; ALVW: adjusted LVW; LEV: low emission vehicle; ULEV: ultra LEV; SULEV: super ULEV; ZEV: zero-emission vehicle; PZEV: partial ZEV; AT PZEV: advanced technology PZEV; TZEV: transitional ZEV; TWC/OC: 3-way/oxidizing catalyst; ADSTWC: adsorbing TWC; HAC: HC adsorbing catalyst; WU: warm-up catalyst; NAC: NOx adsorption catalyst; SCR-U or SCRC/SCR-N or SCRC-NH3: selective catalytic reduction-urea/ammonia; NH3OC: ammonia oxidation catalyst; CTOX/PTOX: continuous/periodic trap oxidizer; DPF: diesel particulate filter (active); GPF: PM filter for spark-ignited engine; HO2S/O2S: heated/oxygen sensor; WR-HO2S or AFS: wide range/linear/heated air-fuel ratio sensor; NOXS: NOx sensor; PMS: PM sensor; RDQS: reductant quality sensor; NH3S: ammonia sensor; EGR: exhaust gas recirculation; EGRC: EGR cooler; AIR/AIRE: secondary air injection (belt driven)/(electric driven); PAIR: pulsed AIR; SFI/MFI: sequential/multiport fuel injection; DFI/IFI: direct/indirect fuel injection; TC/SC: turbo/super charger; CAC: charge air cooler; F/P/\$: full/partial/partial with fines on-board diagnostic; DOR: direct ozone reducing; HCT: hydrocarbon trap; BCAN: bleed carbon canister; prefix 2: parallel; (2) suffix: series; CNG/LNG: compressed/liquefied natural gas; LPG: liquefied petroleum gas; E85: "85%" ethanol ("15%" gasoline) fuel; E10: "10%" ethanol ("90%" gasoline) fuel; A: automatic (with lockup); M: manual transmission; SA: semi-automatic transmission; CV continuously variable transmission; SCV: selectable continuously variable transmission; AM: automated manual transmission; AMS: automated manual-selectable transmission; OT: other transmission

2017 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD	PZEV TYPE
PORSCHE	911 CARRERA	PC	3.0	AMS7,M7	HPRXR0150R92	1	F	*
PORSCHE	911 CARRERA 4	PC	3.0	AMS7,M7	HPRXR0150R92	1	F	*
PORSCHE	911 CARRERA 4 CABRIOLET	PC	3.0	AMS7,M7	HPRXR0150R92	1	F	*
PORSCHE	911 CARRERA 4 GTS	PC	3.0	AMS7,M7	HPRXR0150R92	1	F	*
PORSCHE	911 CARRERA 4 GTS CABRIOLET	PC	3.0	AMS7,M7	HPRXR0150R92	1	F	*
PORSCHE	911 CARRERA 4S	PC	3.0	AMS7,M7	HPRXR0150R92	1	F	*
PORSCHE	911 CARRERA 4S CABRIOLET	PC	3.0	AMS7,M7	HPRXR0150R92	1	F	*
PORSCHE	911 CARRERA CABRIOLET	PC	3.0	AMS7,M7	HPRXR0150R92	1	F	*
PORSCHE	911 CARRERA GTS	PC	3.0	AMS7,M7	HPRXR0150R92	1	F	*
PORSCHE	911 CARRERA GTS CABRIOLET	PC	3.0	AMS7,M7	HPRXR0150R92	1	F	*
PORSCHE	911 CARRERA S	PC	3.0	AMS7,M7	HPRXR0150R92	1	F	*
PORSCHE	911 CARRERA S CABRIOLET	PC	3.0	AMS7,M7	HPRXR0150R92	1	F	*
PORSCHE	911 TARGA 4	PC	3.0	AMS7,M7	HPRXR0150R92	1	F	*
PORSCHE	911 TARGA 4 GTS	PC	3.0	AMS7,M7	HPRXR0150R92	1	F	*
PORSCHE	911 TARGA 4S	PC	3.0	AMS7,M7	HPRXR0150R92	1	F	*